



# 2001 Toxics Release Inventory

# HAWAII

## Reported Releases and Other Waste Management Activities (in pounds)

	<i>Total</i>
<b>On-site Releases</b>	<b>2,636,198</b>
Air Emissions	2,379,957
Surface Water Discharges	29,770
Underground Injection Class I Wells	5
Underground Injection Class II-V Wells	2,066
On-site Land Releases to RCRA Subtitle C Landfills	0
Other On-site Land Releases	224,400
<b>Off-site Releases (Transfers Off-site to Disposal)*</b>	<b>430,339</b>
<b>Total On- and Off-site Releases</b>	<b>3,066,537</b>
<b>Recycled On-site</b>	<b>290,115</b>
<b>Recycled Off-site</b>	<b>46,914</b>
<b>Energy Recovery On-site</b>	<b>0</b>
<b>Energy Recovery Off-site</b>	<b>484</b>
<b>Treated On-site</b>	<b>364,278</b>
<b>Treated Off-site**</b>	<b>2,057</b>
<b>Quantity Released On- and Off-site***</b>	<b>3,135,249</b>
<b>Total Production-related Waste Managed</b>	<b>3,839,097</b>
<b>Non-production-related Waste Managed</b>	<b>9</b>
<b>Transfers Off-site for Further Waste Management, including Disposal</b>	
Recycling	46,915
Energy Recovery	490
Treatment	2,071
Publicly Owned Treatment Works (POTWs)	0
Metals and Metal Category Compounds*	0
Non-metal TRI Chemicals**	0
Other Off-site Transfers****	0
Transfers Off-site to Disposal (not including metals to POTWs)	473,617
<b>Total Transfers Off-site for Further Waste Management, including Disposal</b>	<b>523,094</b>

- \* Transfers to POTWs of metals and metal category compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.
- \*\* Transfers to POTWs of non-metals are included in treated off-site waste management activity.
- \*\*\* Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.
- \*\*\*\* Transfers reported without a valid waste management code.

## For More Information . . .

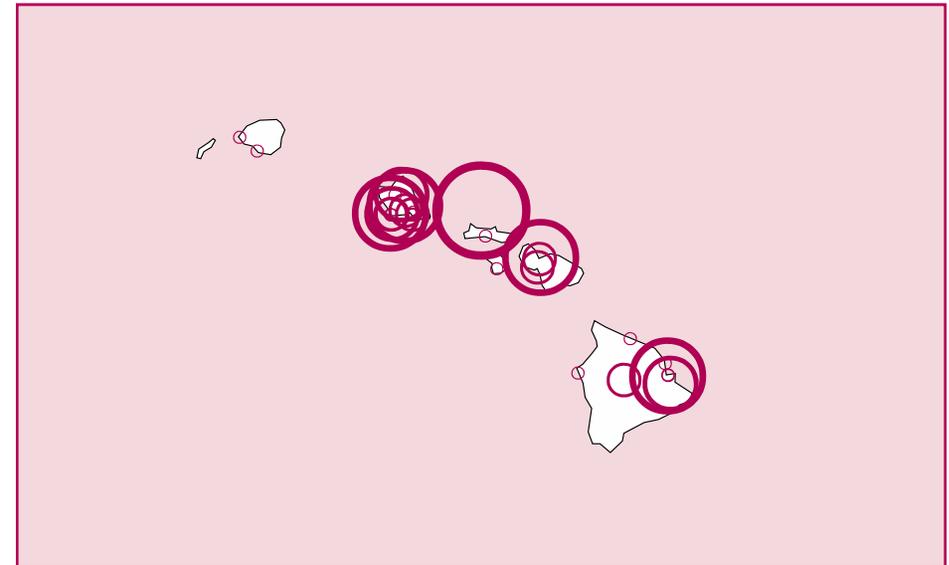
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### EPA Regional Contact

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To obtain TRI data use  
assistance, call TRI User  
Support Service (TRI-US):  
(202) 566-0250  
tri.us@epa.gov



The largest circle in the state map represents the largest facility for on-site releases in the state of Hawaii. All circles are proportionally-sized to represent the on-site releases at each facility within this state.

State/TRI Data	
Population	1,227,024
Square Miles	6,423
Total Facilities	38
Total Forms	181
Form As	14

	<i>Total</i>
<b>National Rank for Total On- and Off-site Releases*</b>	
Rank	49
Pounds	3,066,537
<b>National Rank for Total On-site Releases**</b>	
Rank	49
Pounds	2,636,198
<b>National Rank for Total Releases within State***</b>	
Rank	49
Pounds	3,064,859
<b>National Rank for Production-related Waste Managed</b>	
Rank	52
Pounds	3,839,097

- \* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.
- \*\* Includes amounts released at the facility. Excludes amounts transferred to other sites.
- \*\*\* Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



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## On-site and Off-site Releases for Top Five Chemicals Ranked on Total Releases in the State (All Chemicals)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
7664-93-9	Sulfuric acid	1,600,668	0	0	0	0	1,600,668	0	0	0
—	Nitrate compounds	5	28,594	0	0	326,630	355,229	0	326,630	0
7647-01-0	Hydrochloric acid	307,000	0	0	0	0	307,000	0	0	0
7439-92-1	Lead	5	0	0	77,019	44,033	121,057	0	0	44,033
7440-50-8	Copper	0	0	0	117,010	0	117,010	0	0	0

## On-site and Off-site Releases for PBT Chemicals Ranked on Total Releases in the State

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
7439-92-1	Lead	4.70	0.00	0.00	77,019.00	44,033.00	121,056.70	0.00	0.00	44,033.00
—	Lead compounds	5,166.90	20.50	4.28	3.00	4,247.32	9,442.00	0.00	4,222.22	25.10
—	Polycyclic aromatic compounds	1,219.27	253.00	0.00	0.42	3.00	1,475.69	0.00	3.00	0.00
—	Mercury compounds	91.37	3.60	2.30	0.00	29.90	127.17	0.00	14.90	15.00
7439-97-6	Mercury	23.00	0.00	0.00	0.00	43.00	66.00	0.00	0.00	43.00
191-24-2	Benzo(g,h,i)perylene	0.89	0.00	0.00	0.00	0.00	0.89	0.00	0.00	0.00
—	Dioxin and dioxin-like compounds	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
—	<i>Dioxin and dioxin-like compounds (in grams)</i>	<i>5.109</i>	<i>0.000</i>	<i>0.000</i>	<i>0.000</i>	<i>0.904</i>	<i>6.013</i>	<i>0.000</i>	<i>0.904</i>	<i>0.000</i>
309-00-2	Aldrin	—***	—	—	—	—	—	—	—	—
57-74-9	Chlordane	—***	—	—	—	—	—	—	—	—
76-44-8	Heptachlor	—***	—	—	—	—	—	—	—	—
118-74-1	Hexachlorobenzene	—***	—	—	—	—	—	—	—	—
465-73-6	Isodrin	—***	—	—	—	—	—	—	—	—
72-43-5	Methoxychlor	—***	—	—	—	—	—	—	—	—
29082-74-4	Octachlorostyrene	—***	—	—	—	—	—	—	—	—
40487-42-1	Pendimethalin	—***	—	—	—	—	—	—	—	—
608-93-5	Pentachlorobenzene	—***	—	—	—	—	—	—	—	—
1336-36-3	Polychlorinated biphenyls (PCBs)	—***	—	—	—	—	—	—	—	—
79-94-7	Tetrabromobisphenol A	—***	—	—	—	—	—	—	—	—
8001-35-2	Toxaphene	—***	—	—	—	—	—	—	—	—
1582-09-8	Trifluralin	—***	—	—	—	—	—	—	—	—

\* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

\*\*\* No reports were submitted for these chemicals.

\*\* The chemical ranking is based on the amounts in this column.



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**On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (All Chemicals)**

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection		On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
			Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Hawaiian Electric Inds. Inc. Kahe Generating Station, Kapolei, Honolulu	904,156	6	0	0	0	0	904,162	254	14
Hawaiian Electric Inds. Inc. Waiiau Generating Station, Pearl City, Honolulu	337,637	1	0	0	0	0	337,638	16	48
Hill Generating Station, Hilo, Hawaii	260,154	0	0	0	0	0	260,154	11	0
Chevron Prods. Co. Hawaii Refy., Kapolei, Honolulu	181,532	29,709	0	0	0	0	211,240	913	20
Maui Electric Co. Ltd. Kahului Generating Station, Kahului, Maui	210,161	0	0	0	0	0	210,161	2	0
U.S. Army Schofield Barracks Range Facility, Schofield Barracks, Honolulu	237	0	0	0	0	124,879	125,116	0	0
Hawaiian Electric Inds. Puna Generating Station, Keaau, Hawaii	110,155	0	0	0	0	0	110,155	0	0
Ball Metal Beverage Container Corp., Kapolei, Honolulu	85,921	0	0	0	0	0	85,921	0	0
Tosco Honolulu Terminal, Honolulu, Honolulu	66,161	0	0	0	0	0	66,161	0	0
Maalaea Generating Station, Kihei, Maui	60,184	0	0	4	0	0	60,189	0	0

**On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (PBT Chemicals)**

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection		On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
			Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
U.S. Army Schofield Barracks Range Facility, Schofield Barracks, Honolulu	237.00	0.00	0.00	0.00	0.00	58,855.00	59,092.00	0.00	0.00
U.S. Marine Corps Base Hawaii Kaneohe Bay Range Facility, MCBH Kaneohe Bay, Hon.	0.00	0.00	0.00	0.00	0.00	7,200.00	7,200.00	0.00	0.00
U.S. Army Pohakuloa Training Area - Range Facility, Hilo, Hawaii	466.00	0.00	0.00	0.00	0.00	5,764.00	6,230.00	0.00	0.00
U.S. Marine Corps Base Hawaii Puuloa Training Facility, Ewa Beach, Honolulu	0.00	0.00	0.00	0.00	0.00	5,200.00	5,200.00	0.00	43,000.00
Hawaiian Electric Inds. Inc. Kahe Generating Station, Kapolei, Honolulu	1,655.51	1.00	0.00	0.00	0.00	0.00	1,656.51	4.00	14.10
Maalaea Generating Station, Kihei, Maui	1,184.00	0.00	0.00	4.20	0.00	0.40	1,188.60	0.00	0.00
Hilo Coast Power Co., Pepeekeo, Hawaii	704.00	0.40	0.00	0.00	0.00	3.00	707.40	21.50	0.00
Hawaiian Electric Inds. Inc. Waiiau Generating Station, Pearl City, Honolulu	637.20	1.00	0.00	0.00	0.00	0.00	638.20	16.00	48.00
Kalaeloa Cogeneration Plant, Kapolei, Honolulu	440.80	0.00	0.00	0.18	0.00	0.00	440.98	2.72	0.00
Chevron Prods. Co. Hawaii Refy., Kapolei, Honolulu	115.55	274.70	0.00	0.00	0.00	0.00	390.25	3.60	20.10

\* The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



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**Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (All Chemicals)**

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production-related Waste Managed Pounds	Total Non-Production-related Waste Managed Pounds
Hawaiian Electric Inds. Inc. Kahe Generating Station, Kapolei, Honolulu	0	0	0	0	0	0	904,675	904,675	0
Hawaiian Electric Inds. Inc. Waiiau Generating Station, Pearl City, Honolulu	0	0	0	0	0	0	337,702	337,702	0
U.S. Army Schofield Barracks, Schofield Barracks, Honolulu	0	20,720	0	0	0	0	326,667	347,387	0
Hill Generating Station, Hilo, Hawaii	0	0	0	0	0	0	260,165	260,165	0
Chevron Prods. Co. Hawaii Refy., Kapolei, Honolulu	0	0	0	0	248,718	1,058	213,229	463,005	9
Maui Electric Co. Ltd. Kahului Generating Station, Kahului, Maui	0	0	0	0	0	0	210,163	210,163	0
AES Hawaii Inc., Kapolei, Honolulu	0	0	0	0	0	0	128,817	128,817	0
U.S. Army Schofield Barracks Range Facility, Schofield Barracks, Honolulu	0	0	0	0	0	0	125,116	125,116	0
Hawaiian Electric Inds. Puna Generating Station, Keaau, Hawaii	0	0	0	0	0	0	110,155	110,155	0
Ball Metal Beverage Container Corp., Kapolei, Honolulu	0	0	0	14	82,000	0	86,022	168,036	0

**Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (PBT Chemicals)**

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production-related Waste Managed Pounds	Total Non-Production-related Waste Managed Pounds
U.S. Army Schofield Barracks Range Facility, Schofield Barracks, Honolulu	0.00	0.00	0.00	0.00	0.00	0.00	59,092.00	59,092.00	0.00
U.S. Marine Corps Base Hawaii Puuloa Training Facility, Ewa Beach, Honolulu	0.00	0.00	0.00	0.00	0.00	0.00	48,200.00	48,200.00	0.00
U.S. Marine Corps Base Hawaii Kaneohe Bay Range Facility, MCBH Kaneohe Bay, Honolulu	0.00	0.00	0.00	0.00	0.00	0.00	7,200.00	7,200.00	0.00
U.S. Army Pohakuloa Training Area - Range Facility, Hilo, Hawaii	0.00	0.00	0.00	0.00	0.00	0.00	6,230.00	6,230.00	0.00
AES Hawaii Inc., Kapolei, Honolulu	0.00	0.00	0.00	0.00	0.00	0.00	4,179.00	4,179.00	0.00
Hawaiian Electric Inds. Inc. Kahe Generating Station, Kapolei, Honolulu	0.00	0.00	0.00	0.00	0.00	0.00	1,675.00	1,675.00	0.00
Maalaea Generating Station, Kihei, Maui	0.00	0.00	0.00	0.00	0.00	0.00	1,188.00	1,188.00	0.00
U.S. Navy Pearl Harbor Naval Complex, Pearl Harbor, Honolulu	2.00	16,830.00	0.00	0.00	0.00	0.00	1,029.00	17,861.00	0.00
Hilo Coast Power Co., Pepeekeo, Hawaii	0.00	0.00	0.00	0.00	0.00	0.00	729.00	729.00	0.00
Hawaiian Electric Inds. Inc. Waiiau Generating Station, Pearl City, Honolulu	0.00	0.00	0.00	0.00	0.00	0.00	702.00	702.00	0.00

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.